

*Placentadæ.* Animal free. Foot cylindrical, compressed, medial, without any byssal pore. Vent attached to the right leaf of the mantle. Pedal muscle small, leaving a small round scar between the diverging cardinal plates.

This family must be removed to the tribe of *Anomiaina*, having a distinct foot. The mantle leaves free, margin closely bearded. Foot when contracted in spirits compressed, elongate, larger at the end, truncated, and with a deep linear cavity at the end, apparently produced by the withdrawing of the tip, probably cylindrical, and much elongated and produced when alive. Gills suspended, occupying the front and lower edge. Anus tubular, conical, elongate at the hinder basal margin, attached to the inner side of the right mantle leaf. Lips elongate, attached by their hinder edge. Body surrounding the cardinal ribs and cartilages.

*Pectenidæ.*—The foot of *Pedum* is elongate, cylindrical, clavate, rather enlarged and rounded at the tip, without any appearance of a byssal groove.

III.—*Supplement to a Catalogue of British Spiders, including remarks on their Structure, Functions, Economy and Systematic Arrangement.* By JOHN BLACKWALL, F.L.S.

[Continued from vol. xi. p. 120.]

Tribe OCTONOCULINA.

Family SALTICIDÆ.

Genus *Salticus*, Latr.

AFTER *Salticus notatus* in the supplement to the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. xi. p. 114) add

*Salticus promptus.*

*Salticus promptus*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 173.

In October 1853, an immature female of this species, which is nearly allied to *Salticus frontalis* and *Salticus reticulatus*, was received from the Rev. Hamlet Clark, who took it near Northampton in the autumn of the same year.

After *Salticus reticulatus* in the supplement to the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. xi. p. 114) add

*Salticus Jenynsii.*

*Salticus Jenynsii*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 174.

This addition to our indigenous *Saltici* has been made through the liberality of the Rev. Leonard Jenyns, M.A., F.L.S., from whom it was received in February 1853, together with numerous specimens of spiders which had been captured in Cambridgeshire.

## Family THOMISIDÆ.

Genus *Thomisus*, Walck.

After *Thomisus cristatus* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. vii. p. 448) add

*Thomisus audax.*

*Xysticus audax*, Koch, Uebers. des Arachn. Syst. erstes Heft, p. 25 ; Koch, Die Arachn. B. xii. p. 74. tab. 413. fig. 1005-1008.

Specimens of *Thomisus audax*, supplied by the Rev. Hamlet Clark, were met with near Northampton and at Holme Fen, Huntingdonshire, in the autumn of 1853. They were all females.

M. Walckenaer, regarding the *Xysticus (Thomisus) audax* of M. Koch as a mere variety of *Thomisus cristatus*, has included it among the synonyma of that species (Hist. Nat. des Insect. Apt. t. i. p. 521), from which, however, it is undoubtedly distinct.

After *Thomisus formosus* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. vii. p. 450) add

*Thomisus floricolens.*

*Thomisus floricolens*, Walck. Hist. Nat. des Insect. Apt. t. i. p. 532.  
*Thomisus dorsatus*, Hahn, Die Arachn. B. i. p. 44. tab. 11. fig. 34 ; Koch, Uebers. des Arachn. Syst. erstes Heft, p. 24 ; Koch, Die Arachn. B. xii. p. 56. tab. 410. fig. 991, 992 ; Sund. Vet. Acad. Handl. 1832, p. 221.

For this addition to our indigenous spiders I am indebted to Mr. R. H. Meade, who transmitted to me, in December 1853, adult males and immature females of *Thomisus floricolens* which had been captured by Mr. Francis Walker in that and the preceding year at Piercefield, near Chepstow, in Monmouthshire.

## Family DRASSIDÆ.

Genus *Drassus*, Walck.

After *Drassus cupreus* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. viii. p. 41) add

*Drassus lapidicolens.*

*Drassus lapidicola*, Koch, Uebers. des Arachn. Syst. erstes Heft, p. 18; Koch, Die Arachn. B. vi. p. 28. tab. 188. (misnumbered 187 in the text) fig. 450, 451.

*Clubiona lapidicolens*, Walck. Hist. Nat. des Insect. Apt. t. i. p. 598; Walck. Hist. Nat. des Insect. Apt. t. ii. p. 479.

*Clubiona lapidicola*, Latr. Gen. Crust. et Insect. tom. i. p. 91; Sund. Vet. Acad. Handl. 1831, p. 139; Hahn, Die Arachn. B. ii. p. 9. tab. 40. fig. 100.

An adult male of this species, which was first recorded as British by Dr. Leach (see the Supplement to the 4th, 5th, and 6th editions of the 'Encyclopædia Britannica,' article Annulosa), has been transmitted to me by the Rev. Hamlet Clark. An examination of this specimen, which was found near Northampton in the autumn of 1853, and had recently changed its integument, has served to convince me that M. Koch has assigned to this spider its appropriate situation in a systematic arrangement of the *Araneidea* by transferring it from the genus *Clubiona* to that of *Drassus*, as by the figure and disposition of its eyes and the structure of its oral apparatus it evidently appertains to the latter genus.

After *Drassus nitens* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. viii. p. 42) add

*Drassus propinquus.*

*Drassus propinquus*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 175.

Two adult males of *Drassus propinquus*, which is closely allied to *Drassus nitens*, were captured in the spring of 1853; one running on a public road near Llanrwst, and the other in a window of the sitting-room at Oakland. In the summer of the same year Mr. R. H. Meade took an adult male of this species in Norfolk.

Genus *Clubiona*, Latr.

After *Clubiona comta* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. viii. p. 44) add

*Clubiona pallens.*

*Clubiona pallens*, Koch, Die Arachn. B. vi. p. 19. tab. 185. fig. 443, 444.

Three adult females and an adult male of *Clubiona pallens* were received in October 1853 from the Rev. Hamlet Clark, who informs me that they were taken at Holme Fen, in Huntingdonshire, about the middle of September in the same year.

I have not included the *Clubiona pallens* of M. Hahn (Die

Arachn. B. ii. p. 10. tab. 40. fig. 101) among the synonyma of the above species, as there appears to be much uncertainty about its identity. M. Walckenaer has added the *Clubiona pallens* of M. Koch to the synonyma of *Clubiona amarantha* (Hist. Nat. des Insect. Apt. t. ii. p. 478), supposing it to be the latter species in an immature state, for he remarks that "c'est une jeune que M. Koch a décrite;" this, however, is a mistake, as it is a smaller and perfectly distinct species, and M. Koch's figure of the male clearly represents an individual with the palpal organs fully developed.

Genus *Argyroneta*, Latr.

*Argyroneta aquatica*.

To the remarks on this species given in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. viii. p. 97) the following particulars relative to its œconomy may be added. In May the female deposits from 80 to 100 spherical eggs of a yellow colour, not agglutinated together, in a lenticular cocoon of white silk of a compact texture measuring  $\frac{1}{3}$ rd of an inch in diameter.

Family THERIDIIDÆ.

Genus *Theridion*, Walck.

After *Theridion nervosum* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. viii. p. 442) add

*Theridion pictum*.

*Theridion pictum*, Walck. Hist. Nat. des Insect. Apt. t. ii. p. 304 ; Walck. Hist. Nat. des Insect. Apt. t. iv. p. 489 ; Hahn, Die Arachn. B. i. p. 90. tab. 22. fig. 68.

*Steatoda pictum*, Koch, Uebers. des Arachn. Syst. erstes Heft, p. 9.

*Theridium pictum*, Koch, Die Arachn. B. xii. p. 139. tab. 429. fig. 1062, 1063.

Two adult females of this handsome *Theridion* were received from the Rev. Hamlet Clark in October 1853. Both specimens were captured at Richmond in the autumn of the same year by Mr. George Guyon.

Family LINYPHIIDÆ.

Genus *Linyphia*, Latr.

After *Linyphia gracilis* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. ix. p. 19) add the following species.

*Linyphia tenella*.

*Linyphia tenella*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 177.

An adult female of this *Linyphia* was received from Mr. R.

H. Meade in September, and an immature one from the Rev. Hamlet Clark in October 1853.

*Linyphia circumspecta.*

*Linyphia circumspecta*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 177.

In the autumn of 1853, males of this species, having the palpal organs fully developed, were discovered among herbage growing in woods about Oakland.

*Linyphia flavipes.*

*Linyphia flavipes*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 178.

Adult males of *Linyphia flavipes* were found among moss in woods at Oakland in the summer of 1853.

Genus *Neriëne*, Blackw.

After *Neriëne sulcata* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. ix. p. 271) add

*Neriëne herbigrada.*

*Neriëne herbigrada*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. xiii. p. 179.

Early in October 1853 both sexes of *Neriëne herbigrada*, in a mature state, were detected among coarse herbage and moss growing in woods on the northern slope of Gallt y Rhyg. Like *Neriëne sulcata*, this species makes a near approximation to the spiders of the genus *Walckenaëra*.

*Neriëne dubia.*

The following fact may be added to the remarks on this species in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. ix. p. 272). An adult male was taken by Mr. Francis Walker at Piercefield, in Monmouthshire, in the summer of 1853, and was transmitted to me by Mr. R. H. Meade.

Family EPËIRIDÆ.

Genus *Epëira*, Walck.

After *Epëira umbratica* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. x. p. 182) add

*Epëira agalena.*

*Epëira agalena*, Walck. Hist. Nat. des Insect. Apt. t. ii. p. 36.

*Epëira Sturmii*, Hahn, Die Arachn. B. i. p. 12. tab. 3. fig. 8.

*Atea agalena*, Koch, Die Arachn. B. xi. p. 137. tab. 391. fig. 936-938 (the specific name *hyalina* is incorrectly connected with the numbers 936, 937 in the plate, but this error is rectified in the text).

In the month of June this *Epëira* may be found in a state of maturity on trees and bushes in the woods about Oakland.

After *Epëira ornata* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. x. p. 185) add

*Epëira ceropegia.*

*Epëira ceropegia*, Walck. Hist. Nat. des Insect. Apt. t. ii. p. 51.

*Epëira sclopetaria*, Hahn, Die Arachn. B. ii. p. 46. tab. 57. fig. 131.

*Miranda ceropegia*, Koch, Uebers. des Arachn. Syst. erstes Heft, p. 4; Koch, Die Arachn. B. v. p. 51. tab. 158. fig. 370.

Mr. Francis Walker captured an adult male of this species at Piercefield in the autumn of 1853, and forwarded it to Mr. R. H. Meade, from whom I received it in December in the same year.

After *Epëira inclinata* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. x. p. 187) add

*Epëira albimacula.*

*Zilla albimacula*, Koch, Uebers. des Arachn. Syst. erstes Heft, p. 5; Koch, Die Arachn. B. vi. p. 144. tab. 215. fig. 534, 535.

In December 1853 an adult male of this species was received from Mr. R. H. Meade, which had been taken by Mr. F. Walker at Piercefield in the summer of the same year.

M. Walckenaer has placed the *Zilla* (*Epëira*) *albimacula* of M. Koch among the synonyma of *Epëira agalena* (Hist. Nat. des Insect. Apt. t. ii. p. 37); but the males of these species differ in the design formed by the distribution of their colours, in the armature of their anterior legs, and in the structure of their palpal organs.

After *Epëira tubulosa* in the catalogue (Annals and Mag. of Nat. Hist. Second Series, vol. x. p. 249) add

*Epëira calva.*

*Epëira calva*, Blackw. Annals and Mag. of Nat. Hist. Second Series, vol. x. p. 99.

An immature female of this interesting *Epëira* was received in October 1853 from the Rev. Hamlet Clark, who states that it was taken in Leicestershire.